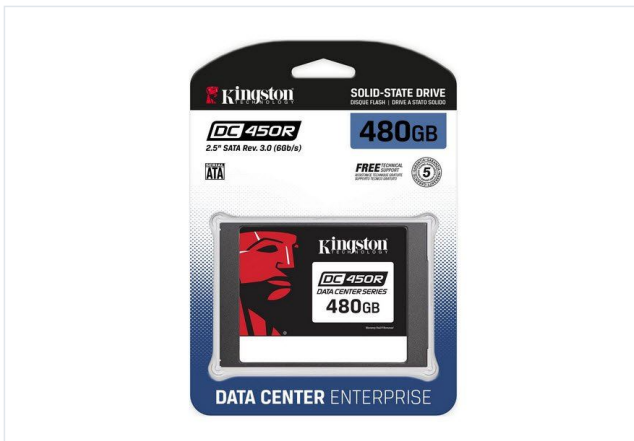


HD-KN480DC450R

Kingston Enterprise Data Center DC450R 480Gb 2.5" SATA3(6Gb/s) 3D TLC Solid State Drive (Order on request)

Product Overview

Kingston SEDC450R/480G Enterprise Data Center DC450R (Read-centric) series with CDN (Content Delivery Networks), designed for 24x7 business-critical applications, with 256bit AES encryption + SmartECC to protect against read errors , with Enterprise SMART Tools - 480Gb 2.5" SATA3(6Gb/s) 3D TLC SSD, read: 560mb/sec / write 510mb/sec, Random Read/Write 4K: 99000/17000 ioPS, 2 millions MTBF, 0.3 DWPD with 285TB TBW (Order on request)



Specifications

Overview:

Kingston's Data Center 450R (DC450R) is a high performance 6Gbps SATA SSD with 3D TLC NAND, designed for Read Centric application workloads. This streamlined SSD delivers on performance while providing exceptional I/O and latency predictability, a requirement now amongst Data Center Class SSDs. Built to Kingston's strict QoS requirements, the DC450R is designed to ensure performance consistency over a wide range of read intensive and read caching workloads.

Features:

- Predictable random I/O performance and latencies
- Configurable over-provisioning
- Streamlined performance to strategically optimize business needs

Enterprise Data Center SSD

Delivering your business demands for 24/7 uptime and reliability. Kingston's DC450R presents a specifically focused feature set that enable data centers to select the most cost effective SSD for their workload(s). Businesses require results as they deliver on products, solutions and service level agreements (SLA's). Kingston's DC450R is designed to deliver on these expectations.

Read-centric SSD

A strategically optimized SSD designed with a streamlined focused feature set for read-centric applications. This enables data centers to select an SSD tailored for workloads without overspending on more expensive write intensive SSDs. It delivers I/O speeds and response times (latency) to ensure high levels of performance in the working application and downstream at the user interface.

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Product Specification Sheet

Applications

It is ideal for Content Delivery Networks (CDN), edge computing applications and a wide array of software-defined storage architectures. DC450R enables system builders and cloud providers a high performance, low cost SSD standard they can count on.

Read-Centric Applications

Performance consistency in Edge Computing and CDN applications.

Reduce application latencies

Database and web-based applications leverage predictable I/O and latency performance.

Data Integrity Protection

ECC protection with advanced read/disturb management safeguards against data corruption; end-to-end data protection.

Strategically Optimized

Focused feature set enables data centers to select the most cost effective SSD for their workload(s).

Specifications:

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Specifications

Product Code	HD-KN480DC450R
Form Factor	2.5"
Interface	SATA Rev. 3.0 (6Gb/s) - With backwards compatibility to SATA Rev. 2.0 (3Gb/s)
Capacities	480GB
NAND	3D TLC
Self-Encrypting Drive (SED)	XTS-AES 256-bit Encryption
Sequential Read/Write	480GB - 560MBs/510MBs
Steady-State 4k Read/Write	480GB - 99, 000/17, 000 IOPS
Quality of Service (Latency)	TYP Read/Write:
Hot-Plug Capable	Yes
Static and Dynamic Wear Leveling	Yes
Power Loss Protection (Power Caps)	No
Enterprise SMART tools	Reliability tracking, usage statistics, SSD life remaining, wear leveling, temperature
Endurance DC450R	480GB - 285TB (0.3 DWPD/5yrs)
Power Consumption	480GB: Idle: 1.05W, Average Read: 1.25W, Average Write: 3.03W, Max Read: 1.25W, Max Write: 4W
Storage temperature	-40 degreesC ~ 85 degreesC
Operating temperature	0 degreesC ~ 70 degreesC
Dimensions	69.9mm x 100mm x 7mm
Weight	92.34g

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Product Specification Sheet

Vibration operating	2.17G Peak (7-800Hz)
Vibration non-operating	20G Peak (10-2000Hz)
MTBF	2 million hours

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/HD-KN480DC450R-Kingston-Enterprise-Data-Center-DC450R-Buy-p-233008.php>

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